

## ABSTRACT

5 A protective coating for aluminate phosphors is described. The protective coating comprises at least a partial spinel coating having the general formula  $Mg_{1-x}Al_{2(1-y)}O_{4-3y-x}$ , where  $0 \leq x < 1$  and  $0 \leq y < 1$ . The coating is applied by an aqueous solution method which may be compatible with conventional fluorescent lamp manufacturing techniques.

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